Asphalting to Sainagara phase-I and surrounding ares in ward no-03 Yelahanka satellite Town sub Division

EMB

(Pre-Measurement Sheet and Measurement Sheet)

Second and Final Bill

BOOK NO-02

BRUHAT BANGALORE MAHANAGARA PALIKE

AME OF WORK:-Asphalting to Sainagara phase-I and surrounding ares in ward no-03 Yelahanka satellite Town sub Division

PRE MEASUREMENT SHEET

Second and Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No.15		Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		18.12.2021.									
		ANUGRAHA LAYOUT									
		1st Main Road									
		From south to north									
0	11.3		Sqm	1	11.30	6.25	6.15	6.20		70.06	
11.3	23.4		Sqm	1	12.10	5.50	5.70	5.60		67.76	
23.4	30		Sqm	1	6.60	6.30	6.20	6.25		41.25	
30	45		Sqm	1	15.00	6.20	6.40	6.30		94.50	
45	52		Sqm	1	7.00	6.40	5.75	6.08		42.53	
52	60		Sqm	1	8.00	6.35	6.30	6.33		50.60	
60	69.1		Sqm	1	9.10	6.30	6.15	6.23		56.65	
		1st Cross Road									
		From west to east									
0	6.3		Sqm	1	6.30	5.50	4.40	4.95		31.19	
6.3	15		Sqm	1	8.70	5.40	5.20	5.30		46.11	
15	30		Sqm	1	15.00	5.20	5.00	5.10		76.50	
30	45		Sqm	1	15.00	5.00	5.25	5.13		76.88	
45	60		Sqm	1	15.00	5.25	5.40	5.33		79.88	
60	75		Sqm	1	15.00	5.40	5.00	5.20		78.00	
75	90		Sqm	1	15.00	5.00	5.35	5.18		77.63	
90	105		Sqm	1	15.00	5.35	5.00	5.18		77.63	
105	120		Sqm	1	15.00	5.00	5.10	5.05		75.75	
120	131.5		Sqm	1	11.50	5.10	5.30	5.20		59.80	
		2nd Main Road									
		From north to south									
0	17.6		Sqm	1	17.60	5.80	5.10	5.45		95.92	
17.6	30		Sqm	1	12.40	6.40	6.70	6.55		81.22	
30	45		Sqm	1	15.00	6.70	7.10	6.90		103.50	
45	60		Sqm	1	15.00	7.10	6.95	7.03		105.38	
60	75		Sqm	1	15.00	6.95	6.10	6.53		98.28	
75	90		Sqm	1	15.00	6.10	5.90	6.00		90.00	
90	93.5		Sqm	1	3.50	5.90	6.10	6.00		21.00	
93.5	96.2		Sqm	1	2.70	7.60	7.60	7.60		20.52	
		2nd Cross Road									
		From east to west									
0	11.1		Sqm	1	11.10	5.45	5.25	5.35		59.39	
11.1	20.5		Sqm	1	9.40	4.55	4.70	4.63		43.48	
20.5	30		Sqm	1	9.50	5.30	5.00	5.15		48.93	
30	45		Sqm	1	15.00	5.00	4.87	4.94		74.03	
45	60		Sqm	1	15.00	4.87	5.15	5.01		75.15	
60	75		Sqm	1	15.00	5.15	5.10	5.13		76.88	
75	90		Sqm	1	15.00	5.10	5.05	5.08		76.13	
90	105		Sqm	1	15.00	5.05	4.97	5.01		75.15	
105	120		Sqm	1	15.00	4.97	4.60	4.79		71.78	
120	131.5		Sqm	1	11.50	4.60	5.50	5.05		58.08	

ntactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

ME OF WORK:-Asphalting to Sainagara phase-I and surrounding ares in ward no-03 Yelahanka satellite Town sub Division

PRE MEASUREMENT SHEET

Second and Final Bill

Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remarks
rom	To				(m)	B1	B2	Avg B	(m)		
Item No.16		Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications and as per the directions of the Engineer-in-charge of the work									
leasurements taken on		18.12.2021.									
		ANUGRAHA LAYOUT									
		1st Main Road									
		From south to north									
0	11.3		Cum	1	11.30	6.25	6.15	6.20	0.05	3.50	
11.3	23.4		Cum	1	12.10	5.50	5.70	5.60	0.05	3.39	
23.4	30		Cum	1	6.60	6.30	6.20	6.25	0.05	2.06	
30	45		Cum	1	15.00	6.20	6.40	6.30	0.05	4.73	
45	52		Cum	1	7.00	6.40	5.75	6.08	0.05	2.13	
52	60		Cum	1	8.00	6.35	6.30	6.33	0.05	2.53	
60	69.1		Cum	1	9.10	6.30	6.15	6.23	0.05	2.83	
		1st Cross Road									
		From west to east									
0	6.3		Cum	1	6.30	5.50	4.40	4.95	0.05	1.56	
6.3	15		Cum	1	8.70	5.40	5.20	5.30	0.05	2.31	
15	30		Cum	1	15.00	5.20	5.00	5.10	0.05	3.83	
30	45		Cum	1	15.00	5.00	5.25	5.13	0.05	3.84	
45	60		Cum	1	15.00	5.25	5.40	5.33	0.05	3.99	
60	75		Cum	1	15.00	5.40	5.00	5.20	0.05	3.90	
75	90		Cum	1	15.00	5.00	5.35	5.18	0.05	3.88	
90	105		Cum	1	15.00	5.35	5.00	5.18	0.05	3.88	
105	120		Cum	1	15.00	5.00	5.10	5.05	0.05	3.79	
120	131.5		Cum	1	11.50	5.10	5.30	5.20	0.05	2.99	
		2nd Main Road									
		From north to south									
0	17.6		Cum	1	17.60	5.80	5.10	5.45	0.05	4.80	
17.6	30		Cum	1	12.40	6.40	6.70	6.55	0.05	4.06	
30	45		Cum	1	15.00	6.70	7.10	6.90	0.05	5.18	
45	60		Cum	1	15.00	7.10	6.95	7.03	0.05	5.27	
60	75		Cum	1	15.00	6.95	6.10	6.53	0.05	4.89	
75	90		Cum	1	15.00	6.10	5.90	6.00	0.05	4.50	
90	93.5		Cum	1	3.50	5.90	6.10	6.00	0.08	1.08	
93.5	96.2		Cum	1	2.70	7.60	7.60	7.60	0.05	1.03	
		2nd Cross Road									
		From east to west									
0	11.1		Cum	1	11.10	5.45	5.25	5.35	0.05	2.97	
11.1	20.5		Cum	1	9.40	4.55	4.70	4.63	0.05	2.17	
20.5	30		Cum	1	9.50	5.30	5.00	5.15	0.05	2.45	
30	45		Cum	1	15.00	5.00	4.87	4.94	0.05	3.70	
45	60		Cum	1	15.00	4.87	5.15	5.01	0.05	3.76	
60	75		Cum	1	15.00	5.15	5.10	5.13	0.05	3.84	
75	90		Cum	1	15.00	5.10	5.05	5.08	0.08	3.81	
90	105		Cum	1	15.00	5.05	4.97	5.01	0.05	3.76	

RUDRAPRASAD CONSULTANTS BANGALORE PMC

ntactor

Assistant Engineer

Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

ME OF WORK:-Asphalting to Sainagara phase-I and surrounding ares in ward no-03 Yelahanka satellite Town sub Division

PRE MEASUREMENT SHEET

Second and Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No.17		Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		21.12.2021.									
		ANUGRAHA LAYOUT									
		1st Main Road									
		From south to north									
0	11.3		Sqm	1	11.30	6.25	6.15	6.20		70.06	
11.3	23.4		Sqm	1	12.10	5.50	5.70	5.60		67.76	
23.4	30		Sqm	1	6.60	6.30	6.20	6.25		41.25	
30	45		Sqm	1	15.00	6.20	6.40	6.30		94.50	
45	52		Sqm	1	7.00	6.40	5.75	6.08		42.53	
52	60		Sqm	1	8.00	6.35	6.30	6.33		50.60	
60	69.1		Sqm	1	9.10	6.30	6.15	6.23		56.65	
		1st Cross Road									
		From west to east									
0	6.3		Sqm	1	6.30	5.50	4.40	4.95		31.19	
6.3	15		Sqm	1	8.70	5.40	5.20	5.30		46.11	
15	30		Sqm	1	15.00	5.20	5.00	5.10		76.50	
30	45		Sqm	1	15.00	5.00	5.25	5.13		76.88	
45	60		Sqm	1	15.00	5.25	5.40	5.33		79.88	
60	75		Sqm	1	15.00	5.40	5.00	5.20		78.00	
75	90		Sqm	1	15.00	5.00	5.35	5.18		77.63	
90	105		Sqm	1	15.00	5.35	5.00	5.18		77.63	
105	120		Sqm	1	15.00	5.00	5.10	5.05		75.75	
120	131.5		Sqm	1	11.50	5.10	5.30	5.20		59.80	
		2nd Main Road									
		From north to south									
0	17.6		Sqm	1	17.60	5.80	5.10	5.45		95.92	
17.6	30		Sqm	1	12.40	6.40	6.70	6.55		81.22	
30	45		Sqm	1	15.00	6.70	7.10	6.90		103.50	
45	60		Sqm	1	15.00	7.10	6.95	7.03		105.38	
60	75		Sqm	1	15.00	6.95	6.10	6.53		97.88	
75	90		Sqm	1	15.00	6.10	5.90	6.00		90.00	
90	93.5		Sqm	1	3.50	5.90	6.10	6.00		21.00	
93.5	96.2		Sqm	1	2.70	7.60	7.60	7.60		20.52	
		2nd Cross Road									
		From east to west									
0	11.1		Sqm	1	11.10	5.45	5.25	5.35		59.39	
11.1	20.5		Sqm	1	9.40	4.55	4.70	4.63		43.48	
20.5	30		Sqm	1	9.50	5.30	5.00	5.15		48.93	
30	45		Sqm	1	15.00	5.00	4.87	4.94		74.03	
45	60		Sqm	1	15.00	4.87	5.15	5.01		75.15	
60	75		Sqm	1	15.00	5.15	5.10	5.13		76.88	
75	90		Sqm	1	15.00	5.10	5.05	5.08		76.13	
90	105		Sqm	1	15.00	5.05	4.97	5.01		75.15	
105	120		Sqm	1	15.00	4.97	4.60	4.79		71.78	

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant executive Engineer

ntractor

BRUHAT BANGALORE MAHANAGARA PALIKE

ME OF WORK:-Asphalting to Sainagara phase-I and surrounding ares in ward no-03 Yelahanka satellite Town sub Division

PRE MEASUREMENT SHEET

Second and Final Bill

Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remarks
om	To				(m)	B1	B2	Avg B	(m)		
20	131.5		Sqm	1	11.50	4.60	5.50	5.05		58.08	
		Sai Nagar Ph-2									
		1st Cross Road									
		From north to south									
0	15		Sqm	1	15.00	3.90	3.90	3.90		58.50	
15	30		Sqm	1	15.00	3.90	3.90	3.90		58.50	
30	45		Sqm	1	15.00	3.90	3.75	3.83		57.38	
45	54		Sqm	1	9.00	3.75	3.40	3.58		32.18	
54	62.3		Sqm	1	8.30	3.40	3.80	3.60		29.88	
		Muniswamappa Layout									
		2nd Cross Road									
		From East Side to West Side									
0	15		Sqm	1	15.00	6.15	5.15	5.65		84.75	
15	30		Sqm	1	15.00	5.15	6.05	5.60		84.00	
30	45		Sqm	1	15.00	6.05	5.90	5.98		89.63	
45	60		Sqm	1	15.00	5.90	5.45	5.68		85.13	
60	77		Sqm	1	17.00	5.45	6.30	5.88		99.88	
77	90		Sqm	1	13.00	6.30	5.95	6.13		79.63	
90	105		Sqm	1	15.00	5.95	5.95	5.95		89.25	
105	120		Sqm	1	15.00	5.95	5.75	5.85		87.75	
120	135		Sqm	1	15.00	5.75	6.15	5.95		89.25	
135	150		Sqm	1	15.00	6.15	6.00	6.08		91.13	
150	165		Sqm	1	15.00	6.00	6.15	6.08		91.13	
165	180		Sqm	1	15.00	6.15	6.20	6.18		92.63	
180	195		Sqm	1	15.00	6.20	6.10	6.15		92.25	
195	210		Sqm	1	15.00	6.10	6.00	6.05		90.75	
210	225		Sqm	1	15.00	6.00	6.30	6.15		92.25	
225	234		Sqm	1	9.00	6.30	6.10	6.20		55.80	
234	239.2		Sqm	1	5.20	5.50	5.40	5.45		28.34	
239.2	255		Sqm	1	15.80	5.85	6.05	5.95		94.01	
255	270		Sqm	1	15.00	6.05	6.00	6.03		90.38	
270	285		Sqm	1	15.00	6.00	5.95	5.98		89.63	
285	300		Sqm	1	15.00	5.95	6.00	5.98		89.63	
300	303.5		Sqm	1	3.50	6.00	5.90	5.95		20.83	
303.5	306		Sqm	1	2.50	5.40	5.10	5.25		13.13	
306	307		Sqm	1	1.00	5.70	5.85	5.78		5.78	
		Cross Road									
0	15		Sqm	1	15.00	4.25	5.00	4.63		69.38	
15	25.1		Sqm	1	10.10	5.00	5.25	5.13		51.76	
		Deduction									
		Reciving Chember									
			Sqm	-4	0.45	0.45	0.45	0.45		-8.91	
		UGD Chambers	Sqm	-15	0.64					-9.54	
					Area of circle=(3.14X0.9²)/4=0.64						
									Total Executed Quantity	4543.05	
									Qty Carried to Summary	4543.05	

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RAJAPRASAD CONSULTANTS BANGALORE BMC

itactor

Assistant Engineer

Assistant exicutive Engineer

Asphalting to Sainagara phase-I and surrounding ares in ward no-03 Yelahanka satellite Town sub Division

EMB

Second and Final Bill

Measurement Sheet

BRUHAT BANGALORE MAHANAGARA PALIKE

OF WORK:-Asphalting to Sainagara phase-I and surrounding area in ward no-03 Yelahanka satellite Town sub Division

MEASUREMENT SHEET

Second and Final Bill

ainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
n No. 01	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications and directions of the Engineer in charge.											
		Cum										
									Total Executed Quantity	1104.97		
									Tender Quantity	1104.97		
									DPQ Quantity Paid in 1st RA Bill	1104.97		
									Now to be Paid Quantity	Nill		
n No. 02	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work											
		Cum										
									Total Executed Quantity	183.32		
									Tender Quantity	183.32		
									DPQ Quantity Paid in 1st RA Bill	183.32		
									Now to be Paid Quantity	Nill		
m No. 03	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per specification and as per the directions of the Engineer-in-charge of the work											
		Cum										
									Total Executed Quantity	355.83		
									Tender Quantity	355.83		
									DPQ Quantity Paid in 1st RA Bill	355.83		
									Now to be Paid Quantity	Nill		
em No.04	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. and as per the directions of the Engineer-in-charge of the work											
		Tonne										
									Total Executed Quantity	21.25		
									Tender Quantity	21.25		
									DPQ Quantity Paid in 1st RA Bill	21.25		
									Now to be Paid Quantity	Nill		
em No.05	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)complete as per specifications and directions of the Engineer in charge.											
		Sqm										
									Total Executed Quantity	905.36		
									Tender Quantity	907.48		
									DPQ Quantity Paid in 1st RA Bill	905.36		
									Now to be Paid Quantity	Nill		
em No.06	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc complete as per specifications and directions of the Engineer in charge.											
		Sqm										
									Total Executed Quantity	20.76		
									Tender Quantity	20.76		
									DPQ Quantity Paid in 1st RA Bill	20.76		
									Now to be Paid Quantity	Nill		
tem No.07	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work											
		Cum										
									Total Executed Quantity	16.43		
									Tender Quantity	16.43		
									DPQ Quantity Paid in 2nd RA Bill	16.43		
									Now to be Paid Quantity	Nill		
tem No. 08	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete as per specifications and directions of the Engineer in charge											
		muniswamappa layout										
		2nd cross										
		RHS										
0	15		m	1	15.00					15.00		
5	30		m	1	15.00					15.00		
0	45		m	1	15.00					15.00		
5	60		m	1	15.00					15.00		

Contractor

SUDHARPRASAD CONSULTANTS Pvt. BANGALORE

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

OF WORK:-Asphalting to Sainagara phase-1 and surrounding area in ward no-03 Yelahanka satellite Town sub Division

MEASUREMENT SHEET

Second and Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
	75		m	1	15.00					15.00			
	90		m	1	15.00					15.00			
	105		m	1	15.00					15.00			
	120		m	1	15.00					15.00			
	135		m	1	15.00					15.00			
	150		m	1	15.00					15.00			
	165		m	1	15.00					15.00			
	180		m	1	15.00					15.00			
	195		m	1	15.00					15.00			
	210		m	1	15.00					15.00			
	225		m	1	15.00					15.00			
	240		m	1	15.00					15.00			
	266.8		m	1	26.80					26.80			
	272.3	NEW CULVERT											
	287.3		m	1	15.00					15.00			
	305.8		m	1	18.50					18.50			
		cross road											
		LHS											
	25.1		m	1	25.10					25.10			
		RHS											
	25.1		m	1	25.10					25.10			
		1st cross											
		LHS											
	15		m	1	15.00					15.00			
	30		m	1	15.00					15.00			
	45		m	1	15.00					15.00			
	60		m	1	15.00					15.00			
	75		m	1	15.00					15.00			
	90		m	1	15.00					15.00			
	105		m	1	15.00					15.00			
	120		m	1	15.00					15.00			
	135		m	1	15.00					15.00			
	150		m	1	15.00					15.00			
	165		m	1	15.00					15.00			
	180		m	1	15.00					15.00			
	195		m	1	15.00					15.00			
	210		m	1	15.00					15.00			
	225		m	1	15.00					15.00			
	240		m	1	15.00					15.00			
	255.7		m	1	15.70					15.70			
7	261.9	Road break											
9	276.9		m	1	15.00					15.00			
9	299.2		m	1	22.30					22.30			
		Anugraha layout											
		1st cross											
		LHS											
	15		m	1	15.00					15.00			
	30		m	1	15.00					15.00			
	45		m	1	15.00					15.00			
	60		m	1	15.00					15.00			
	67.3		m	1	7.30					7.30			
3	76.4	NO WORK	m	1	0.00								
4	91.4		m	1	15.00					15.00			
4	106.4		m	1	15.00					15.00			
4	121.4		m	1	15.00					15.00			
4	130.6	HOUSE BREAK	m	1	0.00					0.00			
		RHS											
	11.5		m	1	11.50					11.50			
5	20.3	NO WORK	m	1	0.00					0.00			
3	35.3		m	1	15.00					15.00			
3	50.3		m	1	15.00					15.00			
3	65.3		m	1	15.00					15.00			
3	80.3		m	1	15.00					15.00			
3	95.3		m	1	15.00					15.00			
3	110.3		m	1	15.00					15.00			
13	129.9		m	1	19.60					19.60			
		2nd main Road								0.00			
		RHS								0.00			
	25		m	1	25.00					25.00			
		1st main											
		RHS											
	14.7		m	1	14.70					14.70			
2	21.5	new culvert	m	1	6.80					6.80			
5	46.5		m	1	25.00					25.00			

ಕರ್ನಾಟಕ ಕಾಯ್ದೆ ಕಾಲಕ್ಕೆ ಅಧಿಕಾರಿಯಂತೆಗಳು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10

RVT

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Contractor

Assistant Engineer

Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

OF WORK:- Asphalting to Sainagara phase-I and surrounding area in ward no-03 Yelahanka satellite Town sub Division

MEASUREMENT SHEET

Second and Final Bill

ainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
53.5	new culvert	m	1	7.00					7.00			
	3rd Cross Road											
	LHS											
15		m	1	15.00					15.00			
30		m	1	15.00					15.00			
45		m	1	15.00					15.00			
60		m	1	15.00					15.00			
63.3		m	1	3.30					3.30			
	RHS											
15		m	1	15.00					15.00			
30		m	1	15.00					15.00			
45		m	1	15.00					15.00			
60		m	1	15.00					15.00			
63.5		m	1	3.50					3.50			
	4th Cross Road											
	LHS											
15		m	1	15.00					15.00			
30		m	1	15.00					15.00			
42.65		m	1	12.65					12.65			
57.65		m	1	15.00					15.00			
68.95		m	1	11.30					11.30			
72.85		m	1	3.90					3.90			
85.15		m	1	12.30					12.30			
	RHS											
23		m	1	23.00					23.00			
35.3		m	1	12.30					12.30			
50.3		m	1	15.00					15.00			
67.1		m	1	16.80					16.80			
72.3		m	1	5.20					5.20			
84.7		m	1	12.40					12.40			
	Sai Archid											
	Sai Archid 1st Cross											
	L H S											
15		m	1	15.00					15.00			
30.1	30.1 to 34.8 Culvert	m	1	15.10					15.10			
49.8		m	1	15.00					15.00			
64.8		m	1	15.00					15.00			
71.5	71.5 to 78 Culvert	m	1	6.70					6.70			
93		m	1	15.00					15.00			
108		m	1	15.00					15.00			
111.3		m	1	3.30					3.30			
	R H S											
15		m	1	15.00					15.00			
30		m	1	15.00					15.00			
45		m	1	15.00					15.00			
60		m	1	15.00					15.00			
75		m	1	15.00					15.00			
90		m	1	15.00					15.00			
105		m	1	15.00					15.00			
109.9		m	1	4.90					4.90			
	2nd Cross Road											
	LHS											
15		m	1	15.00					15.00			
30		m	1	15.00					15.00			
45		m	1	15.00					15.00			
60		m	1	15.00					15.00			
75		m	1	15.00					15.00			
90		m	1	15.00					15.00			
105		m	1	15.00					15.00			
110.2		m	1	5.20					5.20			
	RHS											
15		m	1	15.00					15.00			
24.1	24.1 to 36.6 house Break	m	1	9.10					9.10			
51.6		m	1	15.00					15.00			
66.6		m	1	15.00					15.00			
81.6		m	1	15.00					15.00			
97.5		m	1	15.90					15.90			
								Sub Toatal	1657.25			
	Number of Kerb	Nos		328.3/0.45=736					3683.00			
								Total Executed Quantity	3683.00			
								Tender Quantity	3651.00			
								Quantity Limited To	3651.00			
								Quantity Paid in 1st RA Bill	3651.00			
								Now to be Paid Quantity	Nill			

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RUDRAPRASAD CONSULTANTS BANGALORE PMC

Contactor

Assistant Engineer

Assistant esicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

OF WORK:-Asphalting to Sainagara phase-I and surrounding area in ward no-03 Yelahanka satellite Town sub Division

MEASUREMENT SHEET

Second and Final Bill

ainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
n No. 09	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.											
surements ken on	17.12.2021.											
	muniswamappa layout											
	2nd cross											
	RHS											
15		Sqm	1	15.00				0.40	6.00			
30		Sqm	1	15.00				0.40	6.00			
45		Sqm	1	15.00				0.40	6.00			
60		Sqm	1	15.00				0.40	6.00			
75		Sqm	1	15.00				0.40	6.00			
90		Sqm	1	15.00				0.40	6.00			
105		Sqm	1	15.00				0.40	6.00			
120		Sqm	1	15.00				0.40	6.00			
135		Sqm	1	15.00				0.40	6.00			
150		Sqm	1	15.00				0.40	6.00			
165		Sqm	1	15.00				0.40	6.00			
180		Sqm	1	15.00				0.40	6.00			
195		Sqm	1	15.00				0.40	6.00			
210		Sqm	1	15.00				0.40	6.00			
225		Sqm	1	15.00				0.40	6.00			
240		Sqm	1	15.00				0.40	6.00			
266.8		Sqm	1	26.80				0.40	10.72			
272.3	NEW CULVERT	Sqm	0	0.00				0.40	0.00			
287.3		Sqm	1	15.00				0.40	6.00			
305.8		Sqm	1	18.50				0.40	7.40			
	cross road											
	LHS											
25.1		Sqm	1	25.10				0.40	10.04			
	RHS											
25.1		Sqm	1	25.10				0.40	10.04			
	1st cross											
	LHS											
15		Sqm	1	15.00				0.40	6.00			
30		Sqm	1	15.00				0.40	6.00			
45		Sqm	1	15.00				0.40	6.00			
60		Sqm	1	15.00				0.40	6.00			
75		Sqm	1	15.00				0.40	6.00			
90		Sqm	1	15.00				0.40	6.00			
105		Sqm	1	15.00				0.40	6.00			
120		Sqm	1	15.00				0.40	6.00			
135		Sqm	1	15.00				0.40	6.00			
150		Sqm	1	15.00				0.40	6.00			
165		Sqm	1	15.00				0.40	6.00			
180		Sqm	1	15.00				0.40	6.00			
195		Sqm	1	15.00				0.40	6.00			
210		Sqm	1	15.00				0.40	6.00			
225		Sqm	1	15.00				0.40	6.00			
240		Sqm	1	15.00				0.40	6.00			
255.7		Sqm	1	15.70				0.40	6.28			
261.9	Road break	Sqm	0	0.00				0.40	0.00			
276.9		Sqm	1	15.00				0.40	6.00			
299.2		Sqm	1	22.30				0.40	8.92			
	Anugraha layout											
	1st cross											
	LHS											
15		Sqm	1	15.00				0.40	6.00			
30		Sqm	1	15.00				0.40	6.00			
45		Sqm	1	15.00				0.40	6.00			
60		Sqm	1	15.00				0.40	6.00			
67.3		Sqm	1	7.30				0.40	2.92			
76.4	NO WORK	Sqm	1	0.00				0.40	0.00			
91.4		Sqm	1	15.00				0.40	6.00			
106.4		Sqm	1	15.00				0.40	6.00			
121.4		Sqm	1	15.00				0.40	6.00			
130.6	HOUSE BREAK	Sqm	1	0.00				0.40	0.00			
	RHS											
11.5		Sqm	1	11.50				0.40	4.60			
20.3	NO WORK	Sqm	1	0.00				0.40	0.00			
35.3		Sqm	1	15.00				0.40	6.00			
50.3		Sqm	1	15.00				0.40	6.00			
65.3		Sqm	1	15.00				0.40	6.00			

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ಪಾ.ಬ.ಂ.ಪಾ. ಬೆಂಗಳೂರು-106

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Contractor

Assistant Engineer

Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

E OF WORK:-Asphalting to Sainagara phase-I and surrounding area in ward no-03 Yelahanka satellite Town sub Division

MEASUREMENT SHEET

Second and Final Bill

hainage From	To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
	51.6		Sqm	1	15.00				0.40	6.00			
	66.6		Sqm	1	15.00				0.40	6.00			
	81.6		Sqm	1	15.00				0.40	6.00			
	97.5		Sqm	1	15.90				0.40	6.36			
									Total Executed Quantity	662.90			
									Tender Quantity	657.14			
									Now to be Paid Quantity	662.90			
									Quantity Limited To	657.14	84.80	55726.00	

em No.10 Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead, complete as per specifications and directions of the Engineer in charge

		Cum											
									Total Executed Quantity	2260.56			
									Tender Quantity	2260.56			
									Quantity Paid in 2nd RA Bill	2260.56			
									Now to be Paid Quantity	Nill			

em No.11 Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour. HOMcomplete as per specifications and directions of the Engineer in charge.

		Sqm											
									Total Executed Quantity	4521.12			
									Tender Quantity	4521.12			
									Quantity Paid in 2nd RA Bill	4521.12			
									Now to be Paid Quantity	Nill			

em No.12 Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications (Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) and directions of the Engineer in charge.

		Cum											
									Total Executed Quantity	904.22			
									Tender Quantity	904.22			
									Quantity Paid in 2nd RA Bill	904.22			
									Now to be Paid Quantity	Nil			

em No.13 Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision complete as per specifications and directions of the Engineer in charge.

		Cum											
									Total Executed Quantity	678.17			
									Tender Quantity	678.17			
									Quantity Paid in 2nd RA Bill	678.17			
									Now to be Paid Quantity	Nill			

em No.14 Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer-in-charge of the work

		Cum											
									Total Executed Quantity	1130.28			
									Tender Quantity	1130.28			
									Quantity Paid in 2nd RA Bill	1130.28			
									Now to be Paid Quantity	Nill			

tem No.15 Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work

		Sqm											
		Vide Total executed Quantity from premeasuremet Page no.								4543.05			
									Tender Quantity	4521.12			
									Now to be Paid Quantity	4543.05			
									Quantity Limited To	4521.12	33.92	153357.00	

tem No.16 Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications and as per the directions of the Engineer-in-charge of the work

		Cum											
		Vide Total executed Quantity from premeasuremet Page no.								227.15			
									Tender Quantity	226.06			
									Now to be Paid Quantity	227.15			
									Quantity Limited To	226.06	7428.48	1679283.00	

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Contractor

Assistant Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106
B.B.M.P. Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

E OF WORK:-Asphalting to Sainagara phase-I and surrounding area in ward no-03 Yelahanka satellite Town sub Division

MEASUREMENT SHEET

Second and Final Bill

hainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Rate in	Amount in	Remarks
	To				(m)	B1	B2	Avg B	(m)		RS.	RS.	
m No 17		Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work											
			Sqm										
		Vide Total executed Quantity from premeasuremet Page no.								4543.05			
										Tender Quantity	4521.12		
										Now to be Paid Quantity	4543.05		
										Quantity Limited To	4521.12	12.72	57509.00
em No.18		Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications and as per the directions of the Engineer-in-charge of the work											
asurements aken on		21.12.2021.											
		ANUGRAHA LAYOUT											
		1st Main Road											
		From south to north											
	11.3		Cum	1	11.30	6.25	6.15	6.20	0.04	2.80			
3	23.4		Cum	1	12.10	5.50	5.70	5.60	0.04	2.71			
4	30		Cum	1	6.60	6.30	6.20	6.25	0.04	1.65			
	45		Cum	1	15.00	6.20	6.40	6.30	0.04	3.78			
	52		Cum	1	7.00	6.40	5.75	6.08	0.04	1.70			
	60		Cum	1	8.00	6.35	6.30	6.33	0.04	2.02			
1	69.1		Cum	1	9.10	6.30	6.15	6.23	0.04	2.27			
		1st Cross Road											
		From west to east											
	6.3		Cum	1	6.30	5.50	4.40	4.95	0.04	1.25			
5	15		Cum	1	8.70	5.40	5.20	5.30	0.04	1.84			
	30		Cum	1	15.00	5.20	5.00	5.10	0.04	3.06			
7	45		Cum	1	15.00	5.00	5.25	5.13	0.04	3.08			
	60		Cum	1	15.00	5.25	5.40	5.33	0.04	3.20			
9	75		Cum	1	15.00	5.40	5.00	5.20	0.04	3.12			
	90		Cum	1	15.00	5.00	5.35	5.18	0.04	3.11			
0	105		Cum	1	15.00	5.35	5.00	5.18	0.04	3.11			
5	120		Cum	1	15.00	5.00	5.10	5.05	0.04	3.03			
0	131.5		Cum	1	11.50	5.10	5.30	5.20	0.04	2.39			
		2nd Main Road											
		From north to south											
0	17.6		Cum	1	17.60	5.80	5.10	5.45	0.04	3.84			
7.6	30		Cum	1	12.40	6.40	6.70	6.55	0.04	3.26			
0	45		Cum	1	15.00	6.70	7.10	6.90	0.04	4.14			
5	60		Cum	1	15.00	7.10	6.95	7.03	0.04	4.22			
0	75		Cum	1	15.00	6.95	6.10	6.53	0.04	3.92			
5	90		Cum	1	15.00	6.10	5.90	6.00	0.04	3.60			
0	93.5		Cum	1	3.50	5.90	6.10	6.00	0.04	0.84			
3.5	96.2		Cum	1	2.70	7.60	7.60	7.60	0.04	0.82			
		2nd Cross Road											
		From east to west											
0	11.1		Cum	1	11.10	5.45	5.25	5.35	0.04	2.38			
1.1	20.5		Cum	1	9.40	4.55	4.70	4.63	0.04	1.74			
0.5	30		Cum	1	9.50	5.30	5.00	5.15	0.04	1.96			
30	45		Cum	1	15.00	5.00	4.87	4.93	0.04	2.96			
45	60		Cum	1	15.00	4.87	5.15	5.01	0.04	3.01			
60	75		Cum	1	15.00	5.15	5.10	5.13	0.04	3.08			
75	90		Cum	1	15.00	5.10	5.05	5.08	0.04	3.05			
90	105		Cum	1	15.00	5.05	4.97	5.01	0.04	3.01			
05	120		Cum	1	15.00	4.97	4.60	4.79	0.04	2.87			
20	131.5		Cum	1	11.50	4.60	5.50	5.05	0.04	2.32			
		Sai Nagar Ph-2											
		1st Cross Road											
		From north to south											
0	15		Cum	1	15.00	3.90	3.90	3.90	0.04	2.34			
15	30		Cum	1	15.00	3.90	3.90	3.90	0.04	2.34			
30	45		Cum	1	15.00	3.90	3.75	3.83	0.04	2.30			
45	54		Cum	1	9.00	3.75	3.40	3.58	0.04	1.29			
54	62.3		Cum	1	8.30	3.40	3.80	3.60	0.04	1.20			

Contractor

RUDRAPRASAD CONSULTANTS BANGALORE MC

Assistant Engineer

Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

E OF WORK:-Asphalting to Sainagara phase-I and surrounding ares in ward no-03 Yelahanka satellite Town sub Division

MEASUREMENT SHEET

Second and Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		Muniswamappa Layout											
		2nd Cross Road											
		From East Side to West Side											
	15		Cum	1	15.00	6.15	5.15	5.65	0.04	3.39			
	30		Cum	1	15.00	5.15	6.05	5.60	0.04	3.36			
	45		Cum	1	15.00	6.05	5.90	5.98	0.04	3.59			
	60		Cum	1	15.00	5.90	5.45	5.68	0.04	3.41			
	77		Cum	1	17.00	5.45	6.30	5.88	0.04	4.00			
	90		Cum	1	13.00	6.30	5.95	6.13	0.04	3.19			
1	105		Cum	1	15.00	5.95	5.95	5.95	0.04	3.57			
5	120		Cum	1	15.00	5.95	5.75	5.85	0.04	3.51			
0	135		Cum	1	15.00	5.75	6.15	5.95	0.04	3.57			
5	150		Cum	1	15.00	6.15	6.00	6.08	0.04	3.65			
0	165		Cum	1	15.00	6.00	6.15	6.08	0.04	3.65			
5	180		Cum	1	15.00	6.15	6.20	6.18	0.04	3.71			
0	195		Cum	1	15.00	6.20	6.10	6.15	0.04	3.69			
5	210		Cum	1	15.00	6.10	6.00	6.05	0.04	3.63			
0	225		Cum	1	15.00	6.00	6.30	6.15	0.04	3.69			
5	234		Cum	1	9.00	6.30	6.10	6.20	0.04	2.23			
4	239.2		Cum	1	5.20	5.50	5.40	5.45	0.04	1.13			
12	255		Cum	1	15.80	5.85	6.05	5.95	0.04	3.76			
5	270		Cum	1	15.00	6.05	6.00	6.03	0.04	3.62			
0	285		Cum	1	15.00	6.00	5.95	5.98	0.04	3.59			
5	300		Cum	1	15.00	5.95	6.00	5.98	0.04	3.59			
0	303.5		Cum	1	3.50	6.00	5.90	5.95	0.04	0.83			
15	306		Cum	1	2.50	5.40	5.10	5.25	0.04	0.53			
6	307		Cum	1	1.00	5.70	5.85	5.78	0.04	0.23			
		Cross Road											
1	15		Cum	1	15.00	4.25	5.00	4.63	0.04	2.78			
5	25.1		Cum	1	10.10	5.00	5.25	5.13	0.04	2.07			
		Deduction											
		Reciving Chember											
			Cum	-44	0.45	0.45	0.45	0.45	0.04	-0.36			
		UGD Chambers	Cum	-15	0.64				0.04	-0.38			
								Area of circle=(3.14X0.9*)/4=0.64					
										Total Executed Quantity	**181.72**		
										Tender Quantity	**180.84**		
										Now to be Paid Quantity	**181.72**		
										Quantity Limited To	**180.84**	**8699.42**	**1573246.00**

Item No 19	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bitumminous Surface/ Concrete Surface: Providing and layingof hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications and as per the directions of the Engineer-in-charge of the work
Measurements taken on	29.12.2021.

		ANUGRAHA LAYOUT											
		1st Main Road											
		From south to north											
0	11.3		Sqm	2	11.30	0.10	0.10	0.10		2.26			
11.3	23.4		Sqm	2	12.10	0.10	0.10	0.10		2.42			
23.4	30		Sqm	2	6.60	0.10	0.10	0.10		1.32			
30	45		Sqm	2	15.00	0.10	0.10	0.10		3.00			
45	52		Sqm	2	7.00	0.10	0.10	0.10		1.40			
52	60		Sqm	2	8.00	0.10	0.10	0.10		1.60			
60	69.1		Sqm	2	9.10	0.10	0.10	0.10		1.82			
		1st Cross Road											
		From west to east											
0	6.3		Sqm	2	6.30	0.10	0.10	0.10		1.26			
6.3	15		Sqm	2	8.70	0.10	0.10	0.10		1.74			
15	30		Sqm	2	15.00	0.10	0.10	0.10		3.00			
30	45		Sqm	2	15.00	0.10	0.10	0.10		3.00			
45	60		Sqm	2	15.00	0.10	0.10	0.10		3.00			
60	75		Sqm	2	15.00	0.10	0.10	0.10		3.00			
75	90		Sqm	2	15.00	0.10	0.10	0.10		3.00			
90	105		Sqm	2	15.00	0.10	0.10	0.10		3.00			
105	120		Sqm	2	15.00	0.10	0.10	0.10		3.00			
120	131.5		Sqm	2	11.50	0.10	0.10	0.10		2.30			

Contractor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant executive Engineer

Second and Final Bill

BRUHAT BANGALORE MAHANAGARA PALIKE

E OF WORK:-Asphalting to Sainagara phase-I and surrounding ares in ward no-03 Yelahanka satellite Town sub Division

MEASUREMENT SHEET

Second and Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		2nd Main Road											
		From north to south											
	17.6		Sqm	2	17.60	0.10	0.10	0.10		3.52			
	30		Sqm	2	12.40	0.10	0.10	0.10		2.48			
	45		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	60		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	75		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	90		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	93.5		Sqm	2	3.50	0.10	0.10	0.10		0.70			
	96.2		Sqm	2	2.70	0.10	0.10	0.10		0.54			
		2nd Cross Road											
		From east to west											
	11.1		Sqm	2	11.10	0.10	0.10	0.10		2.22			
	20.5		Sqm	2	9.40	0.10	0.10	0.10		1.88			
	30		Sqm	2	9.50	0.10	0.10	0.10		1.90			
	45		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	60		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	75		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	90		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	105		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	120		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	131.5		Sqm	2	11.50	0.10	0.10	0.10		2.30			
		Sai Nagar Ph-2											
		1st Cross Road											
		From north to south											
	15		Sqm	0.5	15.00	0.10	0.10	0.10		0.75			
	30		Sqm	0.5	15.00	0.10	0.10	0.10		0.75			
	45		Sqm	0.5	15.00	0.10	0.10	0.10		0.75			
	54		Sqm	0.5	9.00	0.10	0.10	0.10		0.45			
	62.3		Sqm	0.5	8.30	0.10	0.10	0.10		0.42			
		Muniswamappa Layout											
		2nd Cross Road											
		From East Side to West Side											
	15		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	30		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	45		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	60		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	77		Sqm	2	17.00	0.10	0.10	0.10		3.40			
	90		Sqm	2	13.00	0.10	0.10	0.10		2.60			
	105		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	120		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	135		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	150		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	165		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	180		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	195		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	210		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	225		Sqm	2	9.00	0.10	0.10	0.10		1.80			
	234		Sqm	2	5.20	0.10	0.10	0.10		1.04			
	239.2		Sqm	2	15.80	0.10	0.10	0.10		3.16			
	255		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	270		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	285		Sqm	2	15.00	0.10	0.10	0.10		3.00			
	300		Sqm	2	3.50	0.10	0.10	0.10		0.70			
	303.5		Sqm	2	2.50	0.10	0.10	0.10		0.50			
	306		Sqm	2	1.00	0.10	0.10	0.10		0.20			
	307												
		Cross Road											
0	15		Sqm	2	15.00	0.10	0.10	0.10		3.00			
15	25.1		Sqm	2	10.10	0.10	0.10	0.10		2.02			
									Total Executed Quantity	155.20			
									Tender Quantity	153.46			
									Now to be Paid Quantity	155.20			
									Quantity Limited to	153.46	454.74	69785.00	

ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗದ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ಸಾಯಿನಗರ ಫೇಸ್-2 ಮತ್ತು ಮುನಿಸ್ವಾಮಪ್ಪ ಲೇಔಟ್‌ನಲ್ಲಿ ಬಿ.ಬಿ.ಎಂ.ಪಿ. ವತಿಯಿಂದ ಡಾಂಬರೀಕರಣ ಮಾಡಿರುವುದು.

Contractor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

OF WORK:-Asphalting to Sainagara phase-I and surrounding area in ward no-03 Yelahanka satellite Town sub Division

MEASUREMENT SHEET

Second and Final Bill

ainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
n No 20	Road markers/ Road stud , KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS (Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering thje lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97-DO III Dt 11.06.1997 The height, width and length shall not exceed 50mm, 100mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19mm and height not less than 30mm)from the body is to be a minimum value of 500kg. Fixing will be by drilling holes on the road for the shanks to go inside, without ails and using epoxy resin based adhesive as per manufacture's recommendation and as per the directions of the Engineer-in-charge of the work											
urements ken on	29.12.2021.											
	Muniswamappa Layout											
	2nd Cross Road											
	From East Side to West Side											
15		m	1	15.00					15.00			
30		m	1	15.00					15.00			
45		m	1	15.00					15.00			
60		m	1	15.00					15.00			
77		m	1	17.00					17.00			
90		m	1	13.00					13.00			
105		m	1	15.00					15.00			
120		m	1	15.00					15.00			
135		m	1	15.00					15.00			
150		m	1	15.00					15.00			
165		m	1	15.00					15.00			
180		m	1	15.00					15.00			
195		m	1	15.00					15.00			
210		m	1	15.00					15.00			
225		m	1	15.00					15.00			
234		m	1	9.00					9.00			
239.2		m	1	5.20					5.20			
255		m	1	15.80					15.80			
270		m	1	15.00					15.00			
285		m	1	15.00					15.00			
300		m	1	15.00					15.00			
303.5		m	1	3.50					3.50			
306		m	1	2.50					2.50			
307		m	1	1.00					1.00			
								Total	307.00			
	Number of Studs along Road Length	nos		Total length /3					103.00			
								Total Executed Quantity	103.00			
								Tender Quantity	102.80			
								Now to be Paid Quantity	103.00			
								Quantity Limited to	102.00	357.22	36437.00	
em No.21	**Filling in foundation with granite/trap broken metal 100mm and down size ,with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. 40mm Jelly .complete as per specifications and directions of the Engineer in charge.**											
	a) 40mm Jelly	Cum										
								Total Executed Quantity	0.62			
								Modified Schedule II Quantity	0.62			
								Quantity Paid in 1stRA Bill	0.62			
								Now to be Paid Quantity	Nill			
	b) 20mm Jelly	Cum										
								Total Executed Quantity	0.62			
								Modified Schedule II Quantity	0.62			
								Quantity Paid in 1stRA Bill	0.62			
								Now to be Paid Quantity	Nill			
	c) Coarse sand .	Cum										
								Total Executed Quantity	0.47			
								Modified Schedule II Quantity	0.47			
								Quantity Paid in 1stRA Bill	0.47			
								Now to be Paid Quantity	Nill			
	d) Fine sand .	Cum										
								Total Executed Quantity	0.31			
								Modified Schedule II Quantity	0.31			
								Quantity Paid in 1stRA Bill	0.31			
								Now to be Paid Quantity	Nill			
	e) 12.5mm chips	Cum										
								Total Executed Quantity	0.47			
								Modified Schedule II Quantity	0.47			
								Quantity Paid in 1stRA Bill	0.47			
								Now to be Paid Quantity	Nill			

ಸಹಾಯಕ ಅಭಿಯಂತರರು ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಕಛೇರಿ ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ. ಬೆ.ಮ.ಪ. ಬೆಂಗಳೂರು-106

VIDYAPRASAD CONSULTANTS BANGALORE

Contractor

Assistant Engineer

Assistant executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

E OF WORK:-Asphalting to Sainagara phase-I and surrounding area in ward no-03 Yelahanka satellite Town sub Division

MEASUREMENT SHEET

Second and Final Bill

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
em No.22		Providing of Geonets for Rain Water Harvesting pit on the filter media as specified in drawings or complete as per specifications and directions of the Engineer in charge.											
			Sqm										
										Total Executed Quantity	1.56		
										Modified Schedule B Quantity	1.56		
										Quantity Paid in 1stRA Bill	1.56		
										Now to be Paid Quantity	Nill		
												Sub Total	3625343.00
												For 12% Applicable GST	435041.16
												For 3% KRIDL Charges	108760.29
												For 1% Labour Cess	36253.43
												Total Amount	4205397.88

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಮ.ಪ. ಬೆಂಗಳೂರು-106

RUDRAPRASAD CONSULTANTS BANGALORE

Contractor

Assistant Engineer

Assistant executive Engineer